

5

10

15

20

a communication interface for receiving EDI forms from said payees, said EDI forms including a payorID and at least one of an obligation amount and a minimum interval time; and

said bill generator modifying one of said recurring obligation amount and said minimum time interval within said child payee information of said payor information for a payor identified by said payorID within a received EDI form in response to said received EDI form being received from at least one of said payees, said bill generator replacing one of said recurring obligation amount and said recurring minimum time interval within said child payee information for said identified payor with one of said obligation amount and said minimum time interval in said received EDI form whereby said bill record generated by said bill generator for obligations between said payor and said payee correspond to said modified child payee information.

**3. The system of claim 2 wherein said bill generator does not generate a bill record for said payor having child payee information in which said recurring obligation amount is zero.**

5

10

a

15

20

said bill generator generating an error message in response to said minimum time interval in said child payee information of said payor information for any of said payors being less than said payor minimum time interval.

[illegible]

Year	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	

Year	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	

7. The system of claim 6, said payor information for each of said payors further includes:

a maximum obligation amount for identifying a maximum obligation amount to transferred between each of said payors and said payee identified by said child payee information in said payor information for each of said payors; and

said bill record generator generating an error message in response to said obligation amount in said EDI form received from one of said payees exceeding said maximum obligation amount in said payor information for said payor identified by said payorID in said received EDI form.

a

8. The system of claim 6, said payor information for each of said payors further includes:

a payor minimum time interval for identifying a minimum interval time between generation of a bill record for said payors and said authorized payees identified by said child payee information in said payor information for each of said payors; and

said bill record generator generating an error message in response to said payor minimum time interval for said payor identified by said payorID in said received EDI form being greater than a difference between a last bill generation date and said payment date in said received EDI form.

003346-01490

a

10. The system of claim 2, said EDI forms received from said payees further include payorIDs and payee bill information representing said obligations owed between said payors identified by said payorIDs and said payee sending one of said EDI forms, said payorID and corresponding payee bill information being stored in a payee file; and a payor control interface for retrieving and presenting said payee bill information corresponding to a payor identified by said payorID so that said payor may review said obligations owed to said payees sending payee bill information in said EDI forms.

5

9

10

15

said TCF message generator generating EFT messages corresponding to said modified updated bill record to reverse said transfer of funds.

5

a

10

15



5

10

said bill generator generating child payee information having a payorID, payeeID, and a recurring obligation amount, said generated child payee record being stored in said payor information for said payor identified by said payorID whereby said payor receives a recurring service from said payee without direct interaction and said payee receives payment for said recurring service without action from said payor.

16. A bill payment system comprising:

storage for payee information for each of a plurality of payees;

storage for payor information for each of a plurality of payors, said payor information for each said payor including child-payee information identifying at least one of said payees authorized to receive a transfer of funds from said payor;

a communication interface for receiving a bill data message from at least one of said payees, said bill data message including a payorID and at least one of an obligation amount and a due date;

a bill generator for generating a bill record from a bill data message received from one of said payees, payor information for said payor identified by said payorID in said received bill data message, and said payee information for said payee corresponding to said child payee information in said payor information for said identified payor, said generated bill record including an obligation amount and a payment date so that said generated bill record corresponds to a transfer of funds between said identified payor and said payee sending said bill data message to pay said recurring obligation amount on said payment date, said generated bill record being stored within said payor information for said identified payor; and

a

[illegible]

17. The system of claim 16, further comprising:

a payor control interface for receiving payor control messages from said payors, said payor control messages having a payorID, a payeeID, and one of an payor obligation amount and a payor payment date; and

said bill generator modifying a generated bill record for said payor identified by said payorID and said payee identified by said payeeID, said generated bill record being in said payor information for said payor identified by said payorID in said payor control message, said bill generator replacing one of said obligation amount and said payment date with one of said payor obligation amount and said payor payment date in said payor control message.

18. The system of claim 16, said payor information for each of said payors further includes:

a payor maximum obligation amount for identifying a maximum obligation amount to be transferred between each of said payors and said payee identified by said child payee information in said payor information for each of said payors; and

said bill generator generating an error message in response to said obligation amount in said bill data message received from at least one of said payees exceeding said payor maximum obligation amount in said payor information for said payor identified by said payorID in said bill data message.

5

10

15

20. The system of claim 16, said payor information further including a payor bankaccountID that corresponds to a government account so that said payor may transfer funds between said government account and said authorized payees for said payor.

21. The system of claim 16, said communication interface receiving an EDI form from at least one of said payees, said EDI form including a payorID corresponding to one of said payors and payee bill information representing said obligations owed between said payor identified by said payorID and said payee sending said EDI form, said payorID and corresponding payee bill information being stored in a payee file; and

said payor control interface retrieving and presenting said payee bill information to a payor identified by said payorID so that said payor may review said obligations owed to said payee sending payee bill information in said EDI form.

06/11/90 09:44:00

22. The system of claim 16, wherein said TCF message generator generates updated bill records corresponding to said generated EFT messages for effecting a transfer of funds, said updated bill records being stored in said payor information for said payor identified by said generated bill record; and

a payor control interface for presenting said generated bill records and said updated bill records to at least one of said payors so that said payor may review an account of fund transfer activity.

23. The system of claim 22, wherein said payor control interface receives a payor control message from said payors, said payor control message having a payorID and a reversal directive, said reversal directive corresponding to one of said updated records presented to said payor identified by said payorID in said received payor control message;

said bill generator modifying said updated bill record to indicate said transfer of funds corresponding to said updated bill record is to be reversed; and

said TCF message generator generating EFT messages corresponding to said modified updated bill record to reverse said transfer of funds.

24. The system of claim 23, said child payee information in said payor information for each of said payors further including a provisional period; and

5 said bill generator generating an error message in response to a payor control message containing said reversal directive being received on a date that is greater than a sum of said payment date for said updated record and said provisional period for said payee corresponding to said updated bill record.

add A2 >

003246 05446 064750 07822200